



HUNTSVILLE

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Engineering Division

REDSTONE GATEWAY PACKAGE I – LAKE F
Project No. 65-12-SP23
July 9, 2012

Addendum #3

All addenda and attachments for the above referenced project will become part of the contract documents.

CONTRACTOR QUESTIONS:

1. Q. It was mentioned at the pre-bid meeting that the pond liner would get 12" of topsoil on top of the clay liner. However, the detail on Sheet C7.2 only shows 4" of Topsoil on the slopes and the bottom and 24" on the Littoral Zone. Which is correct?
A. The drawings are correct. Please see the updated sections on pond liner and cover detail on sheet C7.3 issued in Addendum #1 which show 4" topsoil on the pond sides and bottom and 24" of topsoil at the littoral zone.
2. Q. Do you anticipate any rock excavation? Any blasting? It was not mentioned at the pre-bid but we know rock is in the area and with such deep cuts, we wondered if it would be encountered.
A. Contractors must include rock excavation if encountered between the cut lines. Refer to the Geotechnical Report issued by Building & Earth Sciences dated 9/22/10 posted on the website.
3. Q. After our initial takeoff of the grading portion using the CADD files, we came up with more fill than cut. It was mentioned at the pre-bid that this site would balance and changes would be made to balance it?
A. Refer to the Earthwork section 1.2 Summary, A., 10 in the project specifications for the intent to balance statement. Also reference Addendum #1 Q&A#32.

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4. Q. Is the contractor awarded Package I-1 responsible for everything on Sheet C6.1? (silt fence, wattles, riprap dams, filter ring, outlet protection, erosion control blanket, diversion berm, sodding) Or are those items part of Package I-2?
- A. Yes, all erosion control measures are part of this package along with permanent stabilization of areas not receiving sod in Package I-2. Note that temporary stabilization of areas noted to receive sod in Package I-2 are part of the Package I-1 scope of work. See Q&A#19 below.
5. Q. In the Proposal Book Instructions to Bidders on Page 4-6 for Package I-1, it only lists "Finish grading and Seeding". It doesn't mention any other erosion control except in the Package I-1 heading.
- A. The Package I-1 Contractor is responsible for all erosion control. Refer to Q&A#4 above.
6. Q. What are the limits of the Erosion Control for Package I-1?
- A. See sheet C6.1 for the limits of erosion control measures for Package I-1. Also see Q&A #32 below.
7. Q. Is there a list of electrical items to be removed available, and if so can you send us that listing?
- A. The list of items to be salvaged from the electrical substation is available on the website. We do not have a listing of the items that the Package I-1 Contractor is responsible for demolishing and properly disposing but an onsite visit can be made to inspect.
8. Q. Can any details be provided for the existing concrete substation footings that are to be removed?
- A. See drawings posted on the website under the link "Redstone Arsenal Electrical Substation - Foundations". Please note these drawings are provided for information only and provisions set forth in Section 14 Examination of Plans, Specifications, Special Provisions, and Sitework in the Supplement to General Requirements still apply.
9. Q. Will we be allowed access inside the fence at the sub-station to perform any investigation on the footings if this can't be provided?
- A. Yes, this should be coordinated with PM for the City of Huntsville.
10. Q. Are the fountains to be included in our price?
- A. No.
11. Q. Are the sidewalks to be included in our price?
- A. No.
12. Q. Are the waterlines and gas lines that are shown C3.1 and C 3.2 to be included in our price?
- A. The water line should be included in your price; however, the gas line will be relocated by HU. Also see Q&A#15 and Q&A#29 below.

13. Q. What material from the electrical demolition becomes the contractors, and what is retained by others? Also who is responsible for transport of any material not retained by the contractor?
A. See response to Addendum #1 Q&A#36 and response to Q&A#7 above. Redstone Arsenal will retain the list of 11 salvageable items posted on the website, the concrete poles, metal poles, and the 46kV copper lines. The Package 1-1 Contractor will responsible for delivering all RSA retained items to the Redstone Arsenal High Voltage Shop. All other materials associated with the Redstone Arsenal Electrical Substation will become the Contractors to properly dispose of or salvage.
14. Q. Note on sheet C 4.0 says to tie 4" water into 4" conduit. Is this correct?
A. Contractor shall tie to existing 4" water stub.
15. Q. What other utilities other than the 4" water, the 8" ductile iron stub out, and raising the existing fire hydrant, is to be included in our price?
A. See Sheet C4.0 issued in Addendum #3 for the revised scope of work. The 8" water stub out on the North end of the site and raising the fire hydrant on the South end of the site have been deleted from this scope of work. The water line relocation work along Market Street has been changed to a 12" water main and the materials must be purchased from Huntsville Utilities. Please note the Package I-1 Contractor must include the cost of the ATC for the water main in their lump sum bid. The ATC cost for the water main work will be issued in Addendum #4.
16. Q. Erosion control plans refer us to landscape and architectural plans, which are not in my set of plans. Will the landscape and architectural plans be made available to us?
A. The Architectural and Landscaping Plans are not yet available and this note should be disregarded.
17. Q. It was said at the Pre-bid that it was the engineer's intent to make this a balanced site by adjusting the grades so that there would not be any excess material. Would this be the same if there isn't enough material to satisfy the fills?
A. See response to Addendum #1 Q&A#32 and Q&A#3 above.
18. Q. Note #5 on sheets C5.1 and C5.2 says 4" of topsoil on the pond liner, and it was also said in the pre bid that all areas were to receive 4" of topsoil, but the typical for the pond shows 24" of topsoil in some areas. Which is correct?
A. Drawings are correct. See Q&A#1 above.
19. Q. The erosion control sheet shows sod, permanent seeding, but does not show any temporary seeding. Will we need to include the sod and permanent seeding in our price? Also, do we need to include any temporary seeding?
A. No sod shall be included in your price; however, you will be required to temporary seed these areas where sod is shown. Permanent seeding in areas not to receive sod shall be included in your bid. See Q&A# 4 above.

20. Q. Is geotextile required on the slopes? Notes 20-23 on Sheet C 1.0 say Geotextile is required on Slopes steeper than 4:1. This was not mentioned at the pre-bid and did not see a detail anywhere.
A. The general notes are correct and Sheet C6.1 shows Erosion Control Blankets below the littoral zone. Erosion Control Blankets have been noted on the pond detail on the revised sheet C7.2 issued in Addendum #1. See Q&A#21 below.
21. Q. Sheet C6.1 shows Erosion Control Blanket and Sod on the new pond. This is not shown on the pond detail on sheet C7.2. At the pre-bid it was stated topsoil went on top of the clay liner. Sod nor Erosion Control Blanket was mentioned to go on top of the topsoil. Will the pond need Erosion Control Blanket, Sod, or Seeding?
A. The pond will need the Erosion Control Blanket as stated above in Q&A#20 and as currently shown on sheet C6.1 and has been added to the detail on C7.2 below the littoral zone. Erosion Control Blanket is not needed above the littoral zone where sod is to be placed in Package I-2. The sod areas will be receive temporary seeding in the Package I-1 scope of work as stated in Q&A#4 and Q&A#19 above.
22. Q. Can an allowance for Rock Excavation be established with a minimum quantity?
A. No, see Q&A#2 above.
23. Q. From our take-off based from the provided CADD file, we have calculated a shortage of fill material (quantity = 21,000 CY). Will the bottom elevation of the lake be lowered to balance the site? If not, is there an on-site borrow source and what is the distance to the lake?
A. Yes the bottom of the lake can be lowered per Q&A#3 above and Addendum#1 Q&A#32.
24. Q. The amount of topsoil to re-spread is a greater quantity than the amount of topsoil that is initially stripped. Is there an on-site borrow source for topsoil? If so, how much is the distance to the lake?
A. Per Addendum #1 Q&A#13 there is a large stockpile of topsoil located in Redstone Arsenal approximately 1.5 miles west of the project off of Overlook Road that can be utilized. All material deliveries must be made thru Gate #1. However Contractors may be able to obtain approval to use the gate on the west boundary of the site from Redstone Arsenal to access the topsoil stockpile. If approval from Redstone Arsenal is granted the Contractor must include in their bid the cost to "man" the gate. The person "manning" the gate must be present at all times the gate is open, have a security badge, have a cell phone, and must check everyone's badge who uses the gate to enter Redstone Arsenal. Please note all trucks exiting the project thru the west gate onto Redstone Arsenal must stop and show their security badge to person "manning" the gate. The Contractor will be required to repair the haul route if damaged during hauling operations as well as fine grade and seed the stockpile area that is disturbed upon completion.
25. Q. Per the Instructions to Bidders, "material that is deemed unsuitable by the geotechnical engineer within the project cut line shall be removed offsite and replaced with structural fill from a designated on-site location at the contractor's expense". With no information provided in the plans concerning unsuitable materials, how is the contractor to price this requirement?
A. Refer to Earthwork Specifications section 2.1 item D and the geotechnical reports now posted on the website.

26. Q. Where can the Geotechnical Report be located? The appendix in the Specifications says to download at the City's website, but the Geo Report is not out there. In the Earthwork Spec, it mentions that "isolated deep pockets of topsoil up to 3' in depth should be anticipated as outlined in the geotechnical report".
- A. The geotechnical reports are now posted on the website.
27. Q. It was stated at the Pre-Bid Meeting that any waste material would be hauled off-site (Off Arsenal). In the Earthwork Spec, 1.2. A.10, it states Excess Material can be placed and compacted on-site. Define waste and excess. Is waste = "unsuitable" material that needs to leave the site? Is excess = "suitable" material that can be placed on-site?
- A. Suitable excess materials can be placed and compacted onsite. Unsuitable material must be hauled offsite.
28. Q. Are the box culverts required to be installed on crushed aggregate base like the storm drainage? The outlet control structure detail on C7.2 shows it sitting on compacted subgrade?
- A. Please note where the box culvert enters the lake the crushed aggregate base should be stopped approximately 20' back from the top of the slope and the culvert bottom should be turned down 2'3" to create a seal per drawing details.
29. Q. On Sheet C4.0, there are two mains listed at the top of the page (Proposed 8" Water Main and Proposed Gas Main), is the contractor responsible for installing this? Or is the City of Huntsville responsible for installing this? If the contractor is responsible, what are the sizes and materials of the Proposed Gas Main and Proposed 8" Water Main?
- A. Per Addendum #3 Sheet C4.0 the Package I-1 Contractor must install the 12" water line and the materials will be provided by Huntsville Utilities. Please note the Package I-1 Contractor must include the cost of the ATC for the water main in their lump sum bid. The ATC cost for the water main work will be issued in Addendum #4. The gas line will be installed by Huntsville Utilities.
30. Q. Addendum #1 Q&A#10 and Q&A#21 says the elevation of the littoral zones will be from EL - 630.50 to EL 632.50 however the revised Sheet C7.2 issued per Addendum #1 shows the littoral zones will be from EL 632.00 to EL 631.50. Which is correct?
- A. Sheet C7.2 issued in Addendum #1 is correct. The littoral zones will be from EL 632.00 to EL 631.50.
31. Q. Can onsite fill be used to backfill the removed utility poles?
- A. No #78 stone or smaller should be used to backfill the utility pole holes and the hole should be capped with 4" inches of dense grade base and 4" of topsoil. Please note the Package I-1 Contractor is responsible for any erosion control required for the electrical demolition.
32. Q. Where the specifications for the Wild Flower Mix per note 4 on Sheet C6.1?
- A. See Landscape Specifications 2.4 item F.

33. Q. Will any revised drawings be issued with this Addendum?

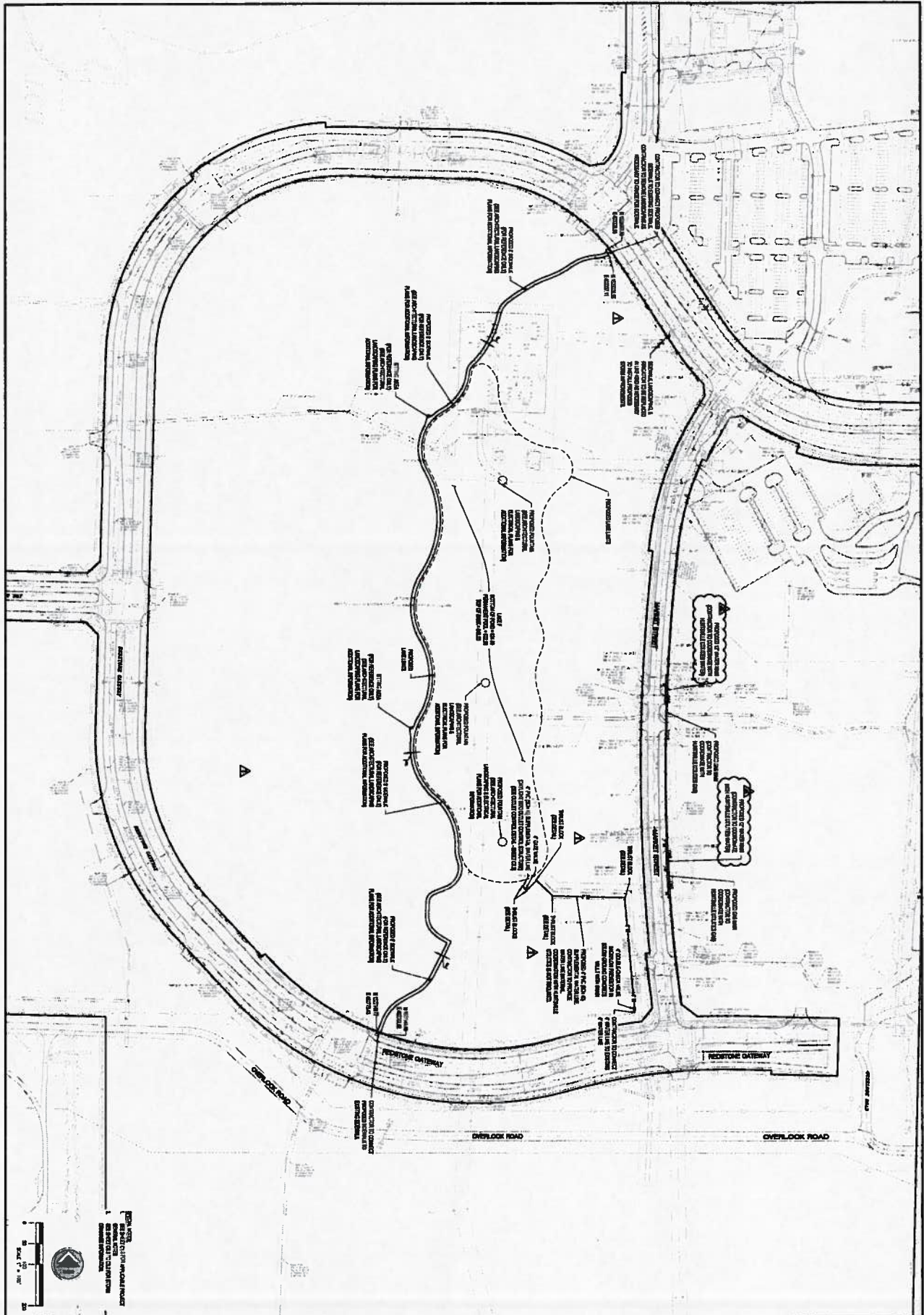
A. Yes; Addendum #3 revised Sheet C4.0.

REVISED DRAWING

Revised Sheet C4.0 is included in this addendum and is available on the COH website under this project listing for downloading.

Attachment: Revised Sheet C4.0

END OF ADDENDUM #3



C4.0

SITE LAYOUT & UTILITY PLAN
REDSTONE GATEWAY - PACKAGE I
LAKE F
CITY OF HUNTSVILLE
HUNTSVILLE, ALABAMA

DATE: 1/17/2012
BY: [Signature]
FOR: [Signature]

PROJECT: REDSTONE GATEWAY - PACKAGE I
LOCATION: LAKE F
SCALE: 1" = 100'

LEGEND

SYMBOL	DESCRIPTION
[Symbol]	PROPOSED 12" WATER MAIN
[Symbol]	PROPOSED 12" SANITARY SEWER
[Symbol]	PROPOSED 12" GAS MAIN
[Symbol]	PROPOSED 12" FIBER OPTIC CABLE
[Symbol]	PROPOSED 12" CABLE TV
[Symbol]	PROPOSED 12" TELEPHONE
[Symbol]	PROPOSED 12" POWER
[Symbol]	PROPOSED 12" WATER
[Symbol]	PROPOSED 12" SANITARY
[Symbol]	PROPOSED 12" GAS
[Symbol]	PROPOSED 12" FIBER
[Symbol]	PROPOSED 12" CABLE
[Symbol]	PROPOSED 12" TELE
[Symbol]	PROPOSED 12" POWER

NOTES

1. ALL UTILITIES SHOWN ARE BASED ON THE LATEST AVAILABLE RECORD DRAWINGS AND FIELD SURVEY DATA.
2. THE LOCATION AND DEPTH OF ALL UTILITIES SHALL BE VERIFIED BY FIELD SURVEY PRIOR TO CONSTRUCTION.
3. THE PROPOSED UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF HUNTSVILLE STANDARDS AND SPECIFICATIONS.
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APPENDIX

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C	PROPOSED 12" GAS MAIN
D	PROPOSED 12" FIBER OPTIC CABLE
E	PROPOSED 12" CABLE TV
F	PROPOSED 12" TELEPHONE
G	PROPOSED 12" POWER
H	PROPOSED 12" WATER
I	PROPOSED 12" SANITARY
J	PROPOSED 12" GAS
K	PROPOSED 12" FIBER
L	PROPOSED 12" CABLE
M	PROPOSED 12" TELE
N	PROPOSED 12" POWER

REVISIONS

NO.	DATE	DESCRIPTION
1	1/17/2012	ISSUED FOR PERMIT

SCALE

1" = 100'

DATE

1/17/2012

BY

[Signature]

FOR

[Signature]

PROJECT

REDSTONE GATEWAY - PACKAGE I

LOCATION

LAKE F

LEGEND

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NO.	DATE	DESCRIPTION
1	1/17/2012	ISSUED FOR PERMIT